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UTILITY	Attorney Docket No.	584-34604-US	unibei	
PATENT APPLICATION	First Inventor	DiFoggio et al.		
TRANSMITTAL	Title	Atomic Clock For Downhole		
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.	EL978749839US		
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO:	Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450	S. P	
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. Specification [Total Pages 22] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	8. Nucleotide and/or Ar (if applicable, all nece a. Computer b. Specificati i. CD-F ii. Pape c. Statement	-R in duplicate, large table or am (Appendix) inino Acid Sequence Submission assary) Readable Form (CRF) on Sequence Listing on:	03916 U	
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 4] 5. Oath or Declaration [Total Sheets _] a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76	10. 37 CFR 3.73(b) (when there is a length of the series) 11. English Transla 12. Information Dis Statement (IDS Preliminary Am 14. Return Receipt (Should be spector) 15. Certified Copy of (if foreign prioritication) 16. Nonpublication	an assignee) Attorney Copies of IDS Citations Attorney Attorney Copies Attorney Attorney Attorney Attorney Attorney Attorney Copies Attorney Attorn		
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.:				
Prior application information: Examiner For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS				
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his collection of information is required by 37 CFR 1.53(b). The information is r ISPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and output graphing preparing and submitting the completed partial partial process.	equired to obtain or retain a be and 37 CFR 1.14. This collection		the	

OSPTO to process) an application. Commentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (08-03) Approved for use through 07/31/2006. OMB 0651-0032

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Art Unit

CCC TO A MORAITTAI	Complete if Known		
FEE TRANSMITTAL	Application Number	ition Number	
for FY 2003	Filing Date	Date	
	First Named Inventor DiFoggio et al.	amed Inventor DiFoggio et al.	
Effective 01/01/2003. Patent fees are subject to annual revision.	Examiner Name	ner Name	
Applicant claims small entity status. See 37 CFR 1.27	A d Linit		

(\$) 894.00 584-34604-US Attorney Docket No. TOTAL AMOUNT OF PAYMENT FEE CALCULATION (continued) METHOD OF PAYMENT (check all that apply) 3. ADDITIONAL FEES Money Check Credit card Other None Order Large Entity | Small Entity ✓ Deposit Account: Fee **Fee Description** Code Fee Paid (\$) Code (\$) Deposit 02-0429 (414-34604-US) 65 Surcharge - late filing fee or oath 2051 1051 130 Number Surcharge - late provisional filing fee or 2052 1052 50 Deposit Baker Hughes Incorporated cover sheet Name 130 Non-English specification 130 1053 1053 The Director is authorized to: (check all that apply) 1812 2,520 For filing a request for ex parte reexamination 1812 2,520 ✓ Credit any overpayments ✓ Charge fee(s) indicated below 920* Requesting publication of SIR prior to 920 1804 1804 Charge any additional fee(s) during the pendency of this application Examiner action Requesting publication of SIR after Charge fee(s) indicated below, except for the filing fee 1805 1,840 1805 1.8401 Examiner action to the above-identified deposit account. 2251 Extension for reply within first month 1251 110 55 FEE CALCULATION 205 Extension for reply within second month 410 2252 1252 1. BASIC FILING FEE Extension for reply within third month 930 2253 1253 arge Entity Small Entity Fee Paid Extension for reply within fourth month 1,450 Fee Description 1254 2254 725 Code (\$) Code (\$) 985 Extension for reply within fifth month 2255 1255 1,970 Utility filing fee 1001 750 2001 375 750.00 2401 320 160 Notice of Appeal 1401 Design filing fee 1002 330 2002 165 160 Filing a brief in support of an appeal 320 2402 1402 Plant filing fee 1003 520 2003 260 140 Request for oral hearing 2403 280 1403 2004 375 Reissue filing fee 1004 750 1451 1,510 Petition to institute a public use proceeding 1451 1,510 2005 Provisional filing fee 1005 160 55 Petition to revive - unavoidable 1452 110 2452 **SUBTOTAL (1)** (\$) 750.00 2453 650 Petition to revive - unintentional 1453 1.300 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1,300 2501 650 Utility issue fee (or reissue) 1501 Fee from 2502 235 Design issue fee Fee Paid 1502 470 Extra Claims below 144 x l18 315 Plant issue fee **Total Claims** -20** = 18 1503 630 2503 x 84 Independent 40 О 130 1460 130 Petitions to the Commissioner 1460 Multiple Dependent 50 Processing fee under 37 CFR 1.17(q) 1807 50 1807 180 Submission of Information Disclosure Stmt Large Entity Small Entity 1806 180 1806 40 Recording each patent assignment per Fee Description 40 8021 Code (\$) 8021 Code (\$) property (times number of properties) Claims in excess of 20 9 1202 2202 375 Filing a submission after final rejection (37 CFR 1.129(a)) 18 2809 1809 750 Independent claims in excess of 3 1201 84 2201 42 375 For each additional invention to be Multiple dependent claim, if not paid 2810 750 1203 280 2203 140 1810 examined (37 CFR 1.129(b)) ** Reissue independent claims 1204 84 2204 42 375 Request for Continued Examination (RCE) 750 2801 1801 over original patent 1802 900 Request for expedited examination 900 1802 ** Reissue claims in excess of 20 18 2205 9 1205 of a design application and over original patent Other fee (specify) (\$) 144.00 SUBTOTAL (2) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

(Complete (if applicable)) SUBMITTED BY Registration No. Telephone 713-266-1130 47,064 William E. Schmidt Name (Print/Type) September 18, 2003 Date Signature

**or number previously paid, if greater; For Reissues, see above

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Date of Deposit: September 18, 2003

I hereby certify that this paper or fee and any papers referred to as being attached or enclosed are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37

CFR 1.10 on the date indicated above, addressed to: MAIL STOP PATENT APPLICATION,

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Naghma Hall

UNITED STATES LETTERS PATENT

FOR

ATOMIC CLOCK FOR DOWNHOLE APPLICATIONS

Inventors:

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